

Patent Claims:

1. Brake booster for a motor vehicle, with at least one longitudinally movable working piston in a housing which subdivides the housing into at least two chambers, with the working piston sealed in the housing transmitting a force onto a push rod connectible to a master brake cylinder depending on a force acting upon a piston rod, when the working piston is subjected to the effect of a difference in pressure prevailing between the two chambers, with at least one portion of a connecting pin penetrating the housing and the working piston in parallel to the push rod and piston rod, each of the ends of the pin projecting from the housing including a fixing portion for connecting the brake booster to the master brake cylinder and a splashboard of the motor vehicle, c h a r a c t e r i z e d in that the fixing portion (1) is aligned eccentrically relative to the portion of the connecting pin (4) that penetrates the housing (2) and the working piston (3).
2. Brake booster as claimed in claim 1, c h a r a c t e r i z e d in that a stop (5) is provided between the portion of the connecting pin (4) and the fixing portion (1) that is aligned eccentrically thereto, and a seal (6) is arranged at the end surface of the stop (5) facing the inside surface of the housing (2).
3. Brake booster as claimed in claim 2, c h a r a c t e r i z e d in that at least one guiding surface (7) is disposed at the periphery of the stop (5)

and is positively engaged with a guiding surface (8) arranged at the inside surface of the housing (2).

4. Brake booster as claimed in claim 3,  
c h a r a c t e r i z e d in that for the position orientation of the fixing portion (1) on the housing (2), several guiding surfaces (7) distributed at the periphery of the stop (5) form an asymmetric multiple-cornered profile which predetermines the possible variations for the twisted position of the fixing portion (1).
5. Brake booster as claimed in any one of the preceding claims,  
c h a r a c t e r i z e d in that the fixing portion (1) of the connecting pin (4) extends through an opening in the housing (2) which is designed as an elongated hole (9) for the possible variation of the twisted position of the fixing portion (1).
6. Brake booster as claimed in claim 5,  
c h a r a c t e r i z e d in that the elongated hole (9) is closed by means of a seal (10) which is fitted at a stop (5) having a sealing contour (11) adapted to the elongated hole (9) for the accommodation of the seal (10).
7. Brake booster as claimed in claim 6,  
c h a r a c t e r i z e d in that a reinforcing disc (12) is fixed between the stop (5) and the inside surface of the housing (2), the opening of the reinforcing disc being adapted to the elongated hole (9) in the housing (2).

8. Brake booster as claimed in any one of the preceding claims,

c h a r a c t e r i z e d in that several connecting pins (4) in the housing (2) are evenly distributed over the housing periphery, and the fixing portions (1) of the connecting pins are provided with a male thread (13) respectively extending through a bore in a splashboard of a motor vehicle.